

# **CO-OP MINING COMPANY**

## **ANNUAL REPORT 2001**



**Bear Canyon Mine**  
*ACT/015/025*

RECEIVED  
FEBRUARY 10

2002

CO-OP MINING  
OIL, GAS AND MINING

**Prepared by**

**Co-Op Mining Company**  
***P.O. Box 1245***  
***Huntington, Utah 84528***  
**(435) 687-2450**

***Charles Reynolds, P.E.***

**GENERAL INFORMATION**

1. Permit Number	Act/015/025
2. Mine Name	Bear Canyon Mine
3. Permittee Name	Co-Op Mining Company
4. Operator Name	
5. Permit Expiration Date	November 2, 2005
6. Company Representative,	Charles Reynolds, P.E.
7. Phone Number	(435) 687-2450
8. Fax Number	(435) 687-2084
9. Mailing Address	Co-Op mining Co.
	P.O. Box 1245
	Huntington , Utah 84528
10. Resident Agent, Title	Mr. Wendell Owen
Mailing Address	P.O. Box 1245
	Huntington , Utah 84528

**IDENTIFICATION OF OTHER PERMITS**

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID(s)	42-01697	Bear Canyon #1 Mine	N/A
	42-02095	Bear Canyon #2 Mine	N/A
	42-02263	Bear Canyon #3 Mine	N/A
2. MSHA Impoundment(s)		None	
3. NPDES/UPDES Permit(s) (water)	UTG040006	Minor Industrial	04/30/03
4. PSD (Air ) Permit(s)	DAQE-145-02	Issued 2/22/02	N/A
5.			

**CERTIFIED REPORTS**

List the certified inspection reports as required by the rules and under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX A to this Annual Report or currently ON FILE with the Division.

Certified Reports:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Excess Spoil Piles		X		X		
2. Refuse Piles		X		X		
3. Impoundments	X				X	Ponds A, B, C
4.						
5.						

**REPORTING OF OTHER TECHNICAL DATA**

List other technical data and information as required under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX B to this Annual Report or currently ON FILE with the Division.

Technical Data:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Climatological Data	X		X			
2. Subsidence Monitoring	X		X			Subsidence Report 12/01/01
3. Vegetation Monitoring		X				
4. Raptor Data		X				
5. Soils Monitoring Data		X				
6. Water Monitoring Data	X				X	
First Quarter Report	X				X	
Second Quarter Report	X				X	
Third Quarter Report	X				X	
Fourth Quarter Report	X				X	
7. Geological/Geophysical		X				
8. Engineering Data		X				
9. Other Data						
Sediment Material Analysis		X		X		

**LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION**

Changes in administration or corporate structure can often bring about necessary changes to information found in the mining and reclamation plan. The Division is requesting that each permittee review and update the legal, financial, compliance and related information in the plan as part of the Annual Report. Provide the Department of Commerce, Annual Report of Officers, or other equivalent information as necessary to ensure that the information provided in the plan is current. Provide any other changes as necessary regarding land ownership, lease acquisitions, legal results from appeals of violations, or other changes as necessary to update information required in the mining and reclamation plan. Include any certified financial statements, audits or worksheets which may be required to meet bonding requirements. Specify whether the information is currently ON FILE with the Division or included as APPENDIX C to this Annual Report.

Legal/Financial Data:	Report Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Department of Commerce,	x		x			
2. Other						

**MINE MAPS**

Copies of mine maps, current and up-to-date through at least December 31, 1998, are to be provided to the Division as APPENDIX D to this Annual Report in accordance with the requirements of R645-301-525.270. These map copies shall be made in accordance with 30 CFR 75.1200, as required by MSHA. Upon request, mine maps shall be kept confidential by the Division.

Map Number(s)	Map Title / Description	Confidential?
3-4A	#1 Mine Blind Canyon Seam	no
3-4B	#1 Mine Hiawatha Seam	no
3-4C	#2 Mine Tank Seam	no
7-10A through 7-10c	Mine Water Surveys	no

**OTHER INFORMATION**

Please provide any comments or further information to be included as part of the Annual Report. Any other attachments are to be provided as APPENDIX E to this Annual Report.

Additional attachments to this report? ☐ No ☐ Yes

# **APPENDIX A**

## **Certified Reports**

Excess Spoil Piles  
Refuse Piles  
Impoundments

as required under R645-301-514

## **CONTENTS**

None

## **APPENDIX B**

### **Reporting of Technical Data**

including monitoring data, reports, maps, and other information  
as required under the approved plan  
or as required by the Division

in accordance with the requirements of R645-301-130 and R645-301-140.

### **CONTENTS**

Climatological Data  
Subsidence Monitoring Data and Map

# Precipitation - Bear Canyon

Date	Gauge Reading	Precipitation
1/1/01	0	
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
1/9/01	0	Lt snow
1/10/01	0	no precipitation
1/11/01	0.01	snow
1/12/01	0.15	4" snow
1/13/01	0	no precipitation
1/14/01	0	no precipitation
1/15/01	0.07	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
1/24/01	0.02	snow
1/25/01	0	no precipitation
1/26/01	0	no precipitation
1/27/01	0.03	4-6" snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
2/10/01	0.02	Lt. Snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
2/14/01	0.01	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
2/18/01	0.05	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
2/25/01	0.03	snow
2/26/01	0.03	snow
2/27/01	0.04	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
3/3/01	0.01	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
3/7/01	0.07	rain/snow
3/8/01	0	no precipitation
3/9/01	0.17	rain/snow

Date	Gauge Reading	Precipitation
3/10/01	0.71	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
3/16/01	0.01	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
3/22/01	0.27	rain
3/23/01	0.03	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
3/29/01	0.02	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
6/12/01	0.03	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
6/23/01	0.01	rain
6/24/01	0.12	rain
6/25/01		no precipitation
6/26/01	0.13	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
7/6/01	0.02	rain
7/7/01	0	no precipitation
7/8/01	0.08	rain
7/9/01	0	no precipitation
7/10/01	0.04	Lt. rain
7/11/01	0	
7/12/01	0.06	rain
7/13/01	0	
7/14/01	0.43	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
7/25/01	0.09	rain
7/26/01	0.01	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
8/4/01	0.22	



# Precipitation - Bear Canyon

Date	Gauge Reading	Precipitation
8/5/01	0	
8/6/01	0	
8/7/01	0.04	lt. rain
8/8/01	0.05	lt. rain
8/9/01	0.05	lt. rain
8/10/01	0	
8/11/01	0.05	rain
8/12/01	0	
8/13/01	0.07	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
8/21/01	0.04	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
8/30/01	0.37	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
9/13/01	0.18	rain
9/14/01	0	
9/15/01	0.18	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
10/9/01	0.14	rain
10/10/01	0	
10/11/01	0.05	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
10/30/01	0.05	rain

Date	Gauge Reading	Precipitation
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/5/01	0.01	rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/10/01	1.00	rain
11/11/01	0	
11/12/01	0	
11/13/01	0.13	snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/22/01	0.25	snow
11/23/01	0	
11/24/01	0	
11/25/01	0.04	snow
11/26/01	0.01	snow
11/27/01	0	
11/28/01	0	
11/29/01	0.01	snow
11/30/01	0.22	snow
12/1/01	0.05	snow
12/2/01	0.04	snow
12/3/01	0	
12/4/01	0	
12/5/01	0.02	snow
12/6/01	0	
12/7/01	snow	
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
12/31/01	0	

Bear Canyon Total Precipitation:

4 inches

**CO-OP MINING COMPANY  
SUBSIDENCE MONITORING  
TRAIL AND BEAR CANYON MINES**

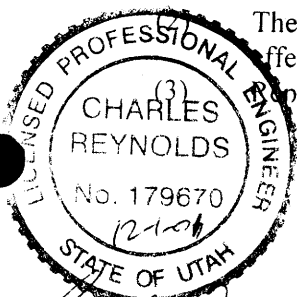
STATION	LOCATION	ELEVATION			Change	
		Initial	8/16/00	7/20/01	Last	Acc.
SMS-1	Bear Canyon	9188.57	9187.69	9187.64	-0.05	-0.93
SMS-2	Bear Canyon	8542.60	8542.17	8538.65	-3.52	-3.95
CON-5	Bear Canyon	9379.91	9379.91	9379.91	--	--
CON-6	Gentry Mtn.	9491.62	9491.62	9491.62	--	--
SMS-7	Lease U-024316	9398.78	9398.36	9398.40	+0.04	-0.42
SMS-8	McCadden Hollow	9062.15	9062.16	9062.16	0.00	+0.01
SMS-9	Lease U-024316	9348.91	9348.58	9347.83	-0.75	-0.33
SMS-10	Lease U-024316	9331.62	9331.73	9331.76	0.03	+0.11
SMS-11	Lease U-024316	9399.77	9399.52	9399.85	+0.33	-0.25
SMS-12	Lease U-024316	9388.60	9388.51	9388.69	+0.18	-0.09
SMS-13	Lease U-024316	9378.75	9378.52	9378.42	-0.10	-0.23
SMS-14	Bear Canyon	9311.99	9311.52	9311.34	-0.18	-0.47
SMS-15	Bear Canyon	9277.51	9277.05	9276.54	-0.51	-0.46
SMS-16	Bear Canyon	9262.48	9263.22	9262.04	-1.18	+0.74
SMS-17	Lease U-024316	9210.76	9210.83	9210.50	-0.33	+0.07
SMS-25	Bear Canyon	9005.95	9005.97	9005.72	-0.25	+0.02
SMS-26	Lease U-024316	8966.38	8966.14	8966.19	0.05	-0.24
SMS-27	Lease U-024316	8895.59	8896.03	8896.16	0.13	+0.44
SMS-28	Lease U-024316	8833.58	8833.49	8833.26	-0.23	-0.09
SMS-29	Lease U-024316	8649.76	8649.65	8649.29	-0.36	-0.11
SMS-30	Lease U-024316	9100.37	9100.25	9100.38	0.13	-0.12

Notes:

- (1) SMS-17 through SMS-24 incorrectly located in 1997. SMS-17 re-established 10/08/99 and SMS-18 through SMS-24 replaced by SMS-25 through SMS-30.

The area was walked between all stations. Areas of visible movement, cracks or other subsidence effects which were observed are shown on Plate 3-3.

Repair work on the cracks observed in 2000 was completed in July, 2001.



*Charles Reynolds*

## **APPENDIX C**

Legal, Financial, Compliance and Related Information

Annual Report of Officers  
as submitted to the Utah Department of Commerce  
and other changes in ownership and control information  
as required under R645-301-110.

### **CONTENTS**

**Annual Report of Officers**

Utah Department of Commerce  
Division of Corporations & Commercial Code  
In person: 160 East 300 South, 1st Floor  
Salt Lake City, Utah 84111  
Fax: (801) 530-6111  
Web site: <http://www.commerce.state.ut.us>



**PROFIT CORPORATION ANNUAL REPORT**

The following information is on file in this office. All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in Delinquency, Revocation or Involuntary Dissolution of the corporate charter.

**THIS BOX MUST BE COMPLETED**

CORPORATE NAME, REGISTERED AGENT, REGISTERED OFFICE, CITY, STATE & ZIP		MAKE ALL CORRECTIONS IN THIS COLUMN	
CORPORATION #	104145		
D	06/10/83		
1.	C. W. MINING COMPANY		
2.	CARL E. KINGSTON		
3.	53 W ANGELO AVE		
4.	SALT LAKE CITY UT 84115		

**WHEN CHANGING THE REGISTERED AGENT THE NEW AGENT MUST SIGN.**

5. INCORPORATED IN THE STATE AND UNDER THE LAWS OF:	UTAH
6. ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE:	

**7. BUSINESS PURPOSE: BITUMINOUS COAL & LIGNITE(SURFACE)**

**DOMESTIC, PROFIT CORPORATIONS ARE REQUIRED TO LIST A CORPORATE OFFICER.**

<b>OFFICERS</b>		<div>2001</div> <div>8. VERIFY OFFICERS <i>OK BY 5/17/01</i></div> <div>9. VERIFY DIRECTORS</div> <div>10. UPDATE CORPORATE</div> <div>11. RECORD</div>
8. PRESIDENT	B.W. STODDARD	
ADDRESS	PO BOX 300	
CITY, STATE & ZIP	HUNTINGTON UT 84528	
9. VICE PRESIDENT	J.A. GUSTAFSON	
ADDRESS	1815 S 1100 W	
CITY, STATE & ZIP	WOODS CROSS UT 84087	
10. SECRETARY	D.J. SANDERS	
ADDRESS	53 W ANGELO AVE	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	
11. TREASURER	D.J. SANDERS	
ADDRESS	53 W ANGELO AVE	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	

**ALL DOMESTIC CORPORATIONS MUST LIST THREE (3) DIRECTORS UNLESS THEY FALL UNDER THE EXCEPTIONS STATED IN SECTION 16-10a-803(i) or (ii).**

<b>DIRECTORS</b>		
12. DIRECTOR	B.W. STODDARD	12.
ADDRESS	PO BOX 300	
CITY, STATE & ZIP	HUNTINGTON UT 84528	
13. DIRECTOR	J.A. GUSTAFSON	13.
ADDRESS	1815 S 1100 W	
CITY, STATE & ZIP	WOODS CROSS UT 84087	
14. DIRECTOR	D.J. SANDERS	14.
ADDRESS	53 W ANGELO AVE	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	

Under penalties of perjury and as an authorized officer, I declare that this annual report and, if applicable, the statement change of registered office and/or agent, has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete.

15. BY	
16. Title or Position	
17. Date	

IF THERE ARE NO CHANGES FROM THE PREVIOUS YEAR, AND YOU HAVE ALL CORPORATE REQUIREMENTS FILLED PERTAINING TO OFFICER AND DIRECTOR INFORMATION YOU MAY DETACH THE COUPON BELOW, AND RETURN IT IN THE ENCLOSED ENVELOPE WITH YOUR PAYMENT. YOU MAY KEEP THE ABOVE REPORT FOR YOUR RECORDS.

## APPENDIX D

### Mine Maps

as required under R645-301-525.270.

#### CONTENTS

3-4A	#1 Mine Blind Canyon Seam
3-4B	#1 Mine Hiawatha Seam
3-4C	#2 Mine Tank Seam
7-10A through 7-10C	Mine Water Surveys